

Title (en)
Polyamide composition

Title (de)
Polyamid-Zusammensetzung

Title (fr)
Composition de polyamide

Publication
EP 1375578 A1 20040102 (EN)

Application
EP 03013832 A 20030618

Priority
JP 2002181283 A 20020621

Abstract (en)
Provided is a polyamide composition comprising 100 parts by weight of (A) a polyamide having dicarboxylic acid units containing 60 to 100 mol% of terephthalic acid units, and diamine units containing 60 to 100 mol% of 1,9-nonanediamine units and/or 2-methyl-1,8-octanediamine units, and 5 to 100 parts by weight of (B) a titanium oxide with an average particle size of 0.1 to 0.5 μ m. The polyamide composition shows excellent heat resistance enough to withstand the SMT process, and gives a molded article with excellent whiteness and surface-reflectance.

IPC 1-7
C08K 3/22; **C08L 77/00**

IPC 8 full level
C08L 77/00 (2006.01); **C08K 3/22** (2006.01)

CPC (source: EP KR US)
C08K 3/22 (2013.01 - EP US); **C08L 77/00** (2013.01 - KR); **C08K 2003/2241** (2013.01 - EP US)

Citation (search report)
[X] EP 0659799 A2 19950628 - KURARAY CO [JP]

Citation (examination)

- AGNIESZKA DUDKIEWICZ ET AL: "A uniform measurement expression for cross method comparison of nanoparticle aggregate size distributions", ANALYST, vol. 140, no. 15, 1 January 2015 (2015-01-01), pages 5257 - 5267, XP055351095, ISSN: 0003-2654, DOI: 10.1039/C5AN00561B
- T. A. EGERTON ET AL: "Physical characterization of titanium dioxide nanoparticles", INTERNATIONAL JOURNAL OF COSMETIC SCIENCE., vol. 36, no. 3, 1 June 2014 (2014-06-01), NL, pages 195 - 206, XP055351101, ISSN: 0142-5463, DOI: 10.1111/ics.12113
- M R HORNBY ET AL, J. OIL COL. CHEM. ASSOC., vol. 52, 1969, pages 1035 - 1053
- G. KÄMPF, FARBE UND LACK, vol. 76, no. 11, 1970, pages 1105 - 1111
- MANABU KIYONO: "Titanium Oxide - Physical Properties and Specified Techniques", 1991, YOSHITAKA TYO, pages: 82 - 87
- "NEW TIPAQUE NEWS - Titanium Dioxide Pigments: Basic Physical Properties", vol. 1, 2005, ISHIHARA SANGYO KAISHA LTD

Cited by
EP2471866A1; EP2610313A1; US7166243B2; US7132063B2; WO2006135840A1; WO2012136693A1; WO2006135842A3; WO2006007580A1; US7118691B2; US7182886B2; EP1693418A4; EP1988113A1; DE102009027611A1; WO2011003973A2; US9321918B2; EP1888679A1; EP2627698A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1375578 A1 20040102; CA 2432522 A1 20031221; CA 2432522 C 20100921; CN 1260300 C 20060621; CN 1477153 A 20040225; KR 100926927 B1 20091117; KR 20040000326 A 20040103; SG 111114 A1 20050530; TW 200401803 A 20040201; TW I258494 B 20060721; US 2004034152 A1 20040219; US 7009029 B2 20060307

DOCDB simple family (application)
EP 03013832 A 20030618; CA 2432522 A 20030617; CN 03143861 A 20030620; KR 20030040295 A 20030620; SG 200303592 A 20030618; TW 92116739 A 20030620; US 46447403 A 20030619